

## ABSTRACT

A floating slider (1) includes an opposing face (11) opposed to a storage medium (Dc). The opposing face (11) has a crown surface (7) like an outer columnar surface having an axis extending radially of the storage medium. The floating slider (1) is floated off the storage medium (Dc) by air flowing in between the storage medium (Dc) and the opposing surface (11). In the floating slider (1), the following expression is satisfied where d represents a crown thickness defined as a distance from an vertex of an arc in a section of the crown surface (7) to a chord of the arc, and L represents a slider length defined as a length of the opposing face parallel to the chord:

$$250 \text{ (nm/mm)} \times L \text{ (mm)} \leq d \text{ (nm)}$$

$$\leq 250 \text{ (nm/mm)} \times L \text{ (mm)} + 1500 \text{ (nm)}$$